

ABSTRACT

A PDA includes a printed-circuit board on which at least one printed antenna pair having two chip-like printed antennas, which receive linearly polarized signals and are disposed along axes orthogonal to each other, is mounted. In each of the printed antennas, an open end is formed of at least two antenna conductors separated from each other. Besides, in the printed-circuit board, a ground required by one or plural other modules is disposed so as to surround a surrounding area of at least three sides of four sides forming a rectangular section in each of the printed antennas, and each of the printed antennas is disposed and mounted so that a remaining one side faces an edge portion of the printed-circuit board. While the PDA can receive circularly polarized signals very effectively, the degree of freedom in layout is greatly expanded and miniaturization can be realized.